

ORE THE DIGGER NEWSPAPER

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*Mines heats it up
with the Second
Annual Geothermal
Symposium*

please see page 4

Diversity Week brings issues to Mines campus

Blue and Yellow Logic seeks to bring diversity and awareness into the green movement



ALAN DOWNEY / OREDIGGER

Akara Ekundayo and Kendra Sandoval discuss the importance of emphasizing practicality to include people of all income levels in the green movement.

Alan Downey
Staff Writer

"I don't really care about my windows being insulated or my power being solar or clean water if bullets are coming through the window," Akara Ekundayo observed in the talk titled "Eco-Transcendence: From Poverty to Abundance." However harsh Ekundayo's statement might seem, it makes sense that when there are immediate issues such as violence in poor neighborhoods, global warming just is not a legitimate concern by comparison.

To most people on the Mines campus, the effects of global climate change and the benefits of going green are clearly evident. However, there is still a large demographic of the United States for whom climate change and going green are not polarizing issues. For the most part, the lower class has been left out of the green revolution. Akara Ekundayo

"They don't want to grow food in their front yard. They take a long time to be able to buy these houses and have a lawn."

and Kendra Sandoval spoke on the subject of this issue, and how to bring this group of people into the green movement with their organization, Blue and Yellow Logic.

Ekundayo spoke of the green movement from her perspective as an African American woman; "When I look at the people who engage and participate... there isn't anybody who looks like me."

"When you look at the movement, it doesn't look like it reflects people of color; it doesn't look like

it reflects regular folks in the neighborhoods and poor communities," Ekundayo explained. The conversation about race in the green movement hasn't ever occurred, because racial differences simply aren't present in the movement itself.

Blue and Yellow Logic's main thrust is to educate and initiate a conversation about the green movement and how being a part of it can benefit households and communities through income via green jobs, or money saved with organic gardening.

Ekundayo showed a short film that is used in Blue and Yellow Logic's educational activities. When asked why such a video was used Ekundayo explained, "[People] don't necessarily pay attention if you're talking in front of a lectern for an hour and a half...but [the video] is six minutes." Most people don't want to sit through a lecture to hear about what they should be doing or see it a long documentary. The video Ekundayo showed gets the point across and opens up ideas as to what people can do to better their lives as well as the planet.

The best way to get minorities and the lower class involved and participating in this movement is to get them involved with something that can benefit them and their communities. Green jobs such as installing solar panels, building wind turbines, and improving households fit the bill perfectly. These jobs give families and communities a source of income that is also deeply rooted

in the green movement.

The American Dream has become a real hang-up for the green movement. For many people, aspects of the green movement like 'organic gardening' have been the paradigm for generations, using food scraps for compost and rainwater for irrigation. Yet this paradigm was born out of necessity. Thus for a lot of people, going green is seen as an undesirable step backwards. As Sandoval put it, "They don't want to grow food in their front yard. They take a long time to be able to buy these houses and have a lawn." Blue and Yellow Logic hopes to take the negative mark off of gardens and inspire people to partake in gardening and be proud of it.

But just the act of having your own garden and growing your own food is another way to start the conversation about the green movement, and be a part of it. Sandoval spoke of her own garden: "Some years, I don't eat all the cucumbers and I go and give them away, I don't eat all the tomatoes and I give them away." So not only can Sandoval's garden give her more food than her family can eat, it creates an opportunity for her to engage with her community and encourage people to try it for themselves.

It's important that in a conversation involving race and poverty, the best intentions are meant for everybody. Sandoval ended the talk on a final explanation of Blue and Yellow Logic's attitude towards educating people; "You're absolutely not doing anything wrong, and we want to help you do better for the environment."

Dr. Wadsworth discusses the racial and religious implications of California's Proposition 8

Tim Weilert
Content Manager

Proposition 8 states, "Only marriage between a man and a woman is valid or recognized in California." Understandably, this measure, known as the "California Marriage Protection Act," has sparked heated debate and now finds itself in the federal court system.

Dr. Nancy Wadsworth, an assistant political science professor at the University of Denver, examined the rhetoric surrounding the debate and visited CSM to give a lecture on her findings as part of Diversity Week.

Maintaining an even-sided dialogue, Wadsworth began her presentation with a brief political timeline of Proposition 8. In 2000 another proposition (prop. 22) passed via ballot initiative with language similar to that of Prop. 8. This decision was challenged in 2005 when the California State Legislature passed the "Same Sex Marriage Bill," which was quickly vetoed by Governor Schwarzenegger, citing Prop. 22. In May 2008, the California State Supreme Court struck down Prop. 22 based on equal protection law. Legal same-sex marriages occurred in California until November 2008 when Proposition 8 passed in a move that was a stronger political move to prevent same-sex marriage. To add another level of confusion to the situation, the State Supreme Court upheld Prop. 8 and the marriages that occurred between May and November 2008 after hearing challenges to the amendment.

Wadsworth began to identify key groups on both sides of Prop. 8, then asked the question, "Was religion acting as a motivation for these groups?" What she found were several conundrums and groups of people who identified with multi-

ple, often contradicting, communities.

Amidst the rhetoric, Wadsworth identified "fate-linking" as an important tool for both camps. As per her definition, fate-linking is, "Asserting a group's political fate as analogous or interwoven with another group."

Four main types of fate-linking were discussed. Association attempts to draw on common experiences while maintaining solidarity. Abstract universal linking is based on fundamental rights and appeals to a common humanity. Identity Intersectionality deals with people who identify with several groups, even groups that don't always agree. Wadsworth discussed the fourth type, Foundational Intersectionality, in detail.

According to Wadsworth, "Foundational Intersectionality incorporates all parts of Identity Intersectionality and goes beyond it. It sees the historical roots of intersectionality, recognizing that such relationships are never neatly separable."

Wadsworth gave several relevant examples of Foundational Intersectionality, including the relationship between gender norms, race, and religion. By looking at information from the Prop. 8 debate, Wadsworth has found that the experiences of ethnic racial groups are profoundly interwoven with religion in the US. She also noted that religion has been used as both an oppressive force (e.g. to justify slavery), and as a means of building community (e.g. early black churches).

In closing, Wadsworth stated that the best way to understand the Prop. 8 debate is through a lens of Foundational Intersectionality. Furthermore, she recognized that people who embody multiple contradicting positions are often the most damaged. During the closing question-and-answer time Wadsworth remarked, "Church and state is one thing... religion and politics is another."



TIM WEILERT / OREDIGGER

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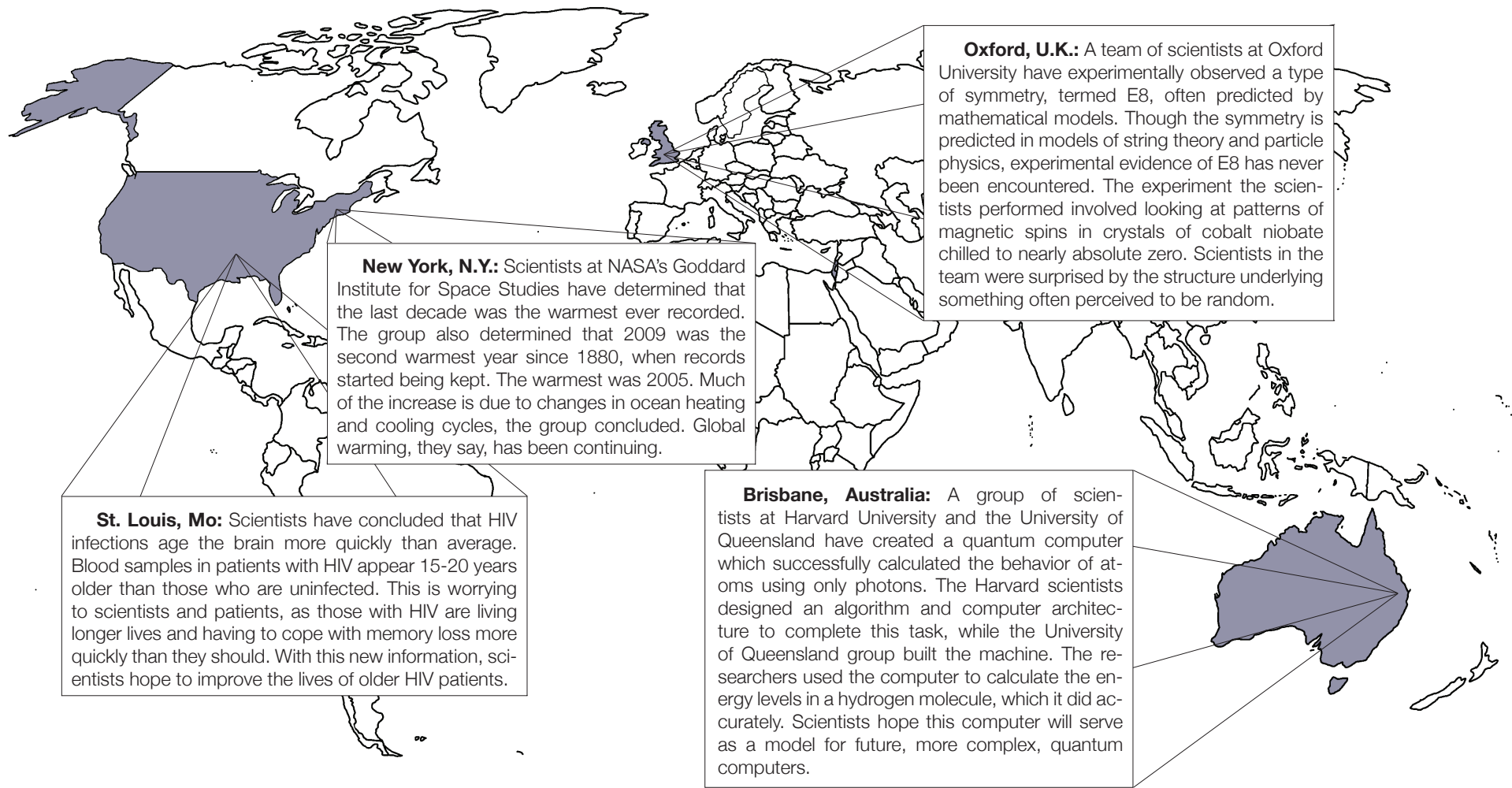
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Scientific discoveries this week

Jake Rezac, Content Manager



New York, N.Y.: Scientists at NASA's Goddard Institute for Space Studies have determined that the last decade was the warmest ever recorded. The group also determined that 2009 was the second warmest year since 1880, when records started being kept. The warmest was 2005. Much of the increase is due to changes in ocean heating and cooling cycles, the group concluded. Global warming, they say, has been continuing.

Oxford, U.K.: A team of scientists at Oxford University have experimentally observed a type of symmetry, termed E8, often predicted by mathematical models. Though the symmetry is predicted in models of string theory and particle physics, experimental evidence of E8 has never been encountered. The experiment the scientists performed involved looking at patterns of magnetic spins in crystals of cobalt niobate chilled to nearly absolute zero. Scientists in the team were surprised by the structure underlying something often perceived to be random.

St. Louis, Mo: Scientists have concluded that HIV infections age the brain more quickly than average. Blood samples in patients with HIV appear 15-20 years older than those who are uninfected. This is worrying to scientists and patients, as those with HIV are living longer lives and having to cope with memory loss more quickly than they should. With this new information, scientists hope to improve the lives of older HIV patients.

Brisbane, Australia: A group of scientists at Harvard University and the University of Queensland have created a quantum computer which successfully calculated the behavior of atoms using only photons. The Harvard scientists designed an algorithm and computer architecture to complete this task, while the University of Queensland group built the machine. The researchers used the computer to calculate the energy levels in a hydrogen molecule, which it did accurately. Scientists hope this computer will serve as a model for future, more complex, quantum computers.

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Headlines from around the world

Emily Trudell, Staff Writer

Eleven days after the massive 7.0 magnitude earthquake killed at least 200,000 people, **Haiti's** Office for the Coordination of Humanitarian Affairs announced that it would cease search and rescue efforts. By Saturday evening, 150,000 bodies had been found in the rubble.

Affiliated Media, the news conglomerate that owns the Denver Post newspaper and 53 other daily newspapers, filed for Chapter 11 bankruptcy Friday. The company is estimated to be in debt by over \$930 million. Including Affiliated Media, 14 newspaper publishing companies filed for bankruptcy in the last 13 months.

Comedian **Andy Dick** was arrested and charged in West Virginia with two felony counts of sexual abuse. The Magistrate Patty Verbage Spence set Dick's bail at \$60,000, and set a preliminary hearing for February 2.

Israel paid the United Nations \$10.5 million as reparations for damage of U.N. buildings in **Gaza City**, including a UN aid distribution warehouse and three schools. Israeli officials say the damage occurred during an attack to stop Hamas rockets launched from Gaza.

The Center for Disease Control and Prevention announced that 20% of children and 40% of **overweight children** have abnormal cholesterol levels. The American Academy of Pediatrics has recommended more stringent guidelines for testing cholesterol levels and aggressive

tive treatments, especially for overweight and obese children.

A British man was arrested on suspicion of fraud for selling fake **bomb-detectors** to Iraq and two countries in the Middle East. The ADE651 and similar bomb-detectors have been banned in Britain after being proven to be unsuitable for detecting explosives, though it is still used regularly at checkpoints in Iraq and Afghanistan.

At least 150 Muslims were killed in Nigeria by Christian radicals, and 121 of the bodies were stuffed into pits and wells. Officials from the civil rights group Human Rights Watch have urged the Nigerian government to investigate the recent **Muslim-Christian violence** that has occurred in the country.

The Food and Drug Administration approved a new drug for multiple sclerosis.

Ampyra is the first drug approved for MS that has been shown to improve walking speed for 35 to 43 percent of patients. Further studies are being conducted to see if Ampyra can improve other neurological functions that are hindered by multiple sclerosis.

Dubai officially opened the \$1.5 billion **Burj Khalifa**, the world's tallest tower. The tower is 160 habitable stories, extending 828 meters high. Dubai is currently suffering from a debt crisis, and recently borrowed \$10 billion from nearby Abu Dhabi.

Pope Benedict XVI summoned several **Irish Bishops** to the Vatican to discuss a report finding widespread sexual abuse in Irish Churches from 1975 to 2004. The pope has announced that he is "deeply disturbed and distressed" by the report.



Local News

Colorado School of Mines' Brecca Gaffney has been named the Rocky Mountain Athletic Conference Women's Athlete of the Month for December.

The Writing Center will open for the spring semester Jan. 25. All writers in the Mines community are welcome. Faculty consultants will work with individuals.

Colorado School of Mines went 1-2 in three wrestling duals on Saturday, January 23rd, at Antelope Gym on the campus of Grand Canyon University. CSM lost to 18th-ranked San Francisco State University (27-10) and 19th-ranked Grand Canyon (31-12) before defeating Embry Riddle (Ariz.) University by the score of 44-12.

The Colorado School of Mines track & field team hosted the Joe Davies Open on Saturday at Steinhauer Fieldhouse. The CSM men placed third while the Oredigger women posted a fourth-place finish.

Colorado School of Mines's Drew Hoffman has earned recognition on the 2009-10 Academic All-Rocky Mountain Athletic Conference men's basketball team, as announced today by the RMAC.

Tenth-ranked Adams State College defeated Colorado School of Mines by the score of 38-14 in a Rocky Mountain Athletic Conference (RMAC) wrestling dual on Friday evening, January 15th, at Volk Gymnasium.

Registrar makes changes to bulletin, exam policy

Alec Westerman
Staff Writer

The registrar has been and is in the process of implementing changes that have a direct impact on students.

Transcript Fees

Laura Medley of the Registrar's office explained, "We instituted a new system." The registrar is now imposing fees on ordering transcripts in order to make improvements to the system. She said that she "would prefer no fee." However, she explained that the Registrar's office "wanted to get on the leading edge." They want to be able to pay for the ability to work more with electronic transcripts.

Rescheduling Finals

Another change is that common hour exams are now being held at two times on Tuesday and at two times on Thursday instead of the traditional one. Medley explained that the changes oc-

curred "because of limited space on campus." The construction of the Brown Building expansion has further complicated matters by putting the lecture halls 201 and 204 out of commission. However, Medley expects that making this change will "[double] our space."

Though some of the issues of classroom space will be resolved after the completion of construction projects, Medley believes that the scheduling change will be permanent. This permanence of the change will be due to the increase in enrollment and the heavy demand for classroom space created by exams. Medley clarified that "for every exam person, we need two seats."

Repeat Policy

A further change is in regards to the repeat policy. Medley stated, "The repeat policy [will be] no longer in effect [in] fall 2011." To clarify, she explained that, "the current repeat policy, which allows only the last grade to factor

into GPA, will revert to the previous policy of all grades counting in GPA."

The reason for this change, according to Medley, is that, "The quality of the transcript is being degraded... we want a Mines degree to be prestigious."

Summer

The registrar is also undertaking the task of eliminating confusion over summer courses. The summer will now be divided into "Summer One" and "Summer Two." In the past, there had been confusion over the distinction between first or second field and the summer term. This left some unsuspecting or unprepared for some weeks of classes. In the new system, "Both field or regular courses could be taught in either term."

In closing, Medley's gave her advice, "Stay tuned for some changes within the core that may give students more flexibility depending on their major."

Dance and Step teams perform for Diversity Week

Daniel Haughey
Staff Writer

Dancing and moving, stomping and clapping greeted the student entering Friedhoff Hall last Thursday. Both the Kappa Alpha Psi Step Team and the Colorado School of Mines Dance Team performed for a crowd of nearly 300 people. The event, organized by Khanh Vu as part of Diversity Week, also featured a live DJ and free food.

"Thursday evening's Celebration of the Movement was a unique and engaging opportunity to experience 'something different.' We observed students, staff and faculty come together to share in a common experience of celebrating diversity," said Zach Aman, a member of the President's Com-

mittee on Diversity who coordinated most of the events for Diversity Week.

The Step Team from the Kappa Alpha Psi fraternity, a fraternity proud of its heritage of never denying an applicant based on race, performed a remake of "Lean on Me." Following the step team, the Mines Dance Team performed several numbers. After the professionals finished, the entire audience was invited to start dancing and "bust a move."

Discussing the motivations behind the riotous event, Aman said, "While we seem frequently preoccupied by academic discussions on the quantification of diversity, this event was designed to explore the qualitative space in bringing together individuals of unique backgrounds."

Mines researcher looks for better biomaterials

Jake Rezac
Content Manager

"Titanium alloys have been used all around the world for biomaterials," explained Dr. Rahul Bhola of the Department of Metallurgical and Materials Engineering at Mines. Bhola, whose background is in dental surgery, addressed his research on the use of titanium alloys for biomaterial applications in last week's Materials Science Student Seminar.

When designing materials for use in biological settings – such as the stents used in angioplasties or pace-makers – there are a number of characteristics the material must have. Titanium alloys often have many of these characteristics and, as such, are often used in biomaterials.

"Titanium has an edge over other materials," Bhola explained. "Prerequisites for a biological implant include good corrosion resistance and biocompatibility," he continued, adding, "we also want low density." Titanium alloys often have these properties.

Titanium alloys have been used for 40 years in biological applications. Recently, technological advancements have improved these alloys and their ability to be used in biomaterial applications.

"Initially, in 1970, titanium was used as a biomaterial... in the 1990s, with the development of [new titanium alloys], better biomaterials were made. It had high strength, but also leaked aluminum," Bhola explained.

"The present work focuses on... the evaluation of corrosive behavior and bone cell response of newer alloys in a simulated body fluid."

titanium alloys Bhola went on to explain his own research.

"The present work focuses on... the evaluation of corrosive behavior and bone cell response of newer alloys in a simulated body fluid," described Bhola.

"Initially, in 1970, titanium was used as a biomaterial... in the 1990s, with the development of [new titanium alloys], better biomaterials were made. It had high strength, but also leaked aluminum."

"Now... we have titanium which is like bone," he added.

Having described the usefulness and history of

"Future work focuses on in-vitro cell culture and body fluids. [It also includes] the effect of various surface treatments to modify the electrochemical and biological response of an implant."

In his work, for

certain alloys, "Nothing comes out into solution... so it is good on that account."

Because his work has been successful, Bhola plans on new work in the future.

"Future work focuses on in-vitro cell culture and body fluids. [It also includes] the effect of various surface treatments to modify the electrochemical and biological response of an implant," he said.

Bhola hopes his work will be useful in the future design of better biomaterials. Bhola believes better biological implants are very important and hopes his work will help improve them.

"Biomaterials are very important," he explained. He complimented this with a story of a young woman who had been in a car accident which crushed her face. After performing work using biological implants, "nobody knows that she has artificial teeth, and she is doing fine," he explained.

First ASCSM meeting of 2010 sees parking garage delayed

Ian Littman
Asst. Business Manager, Web Content

2010's first meeting for the Associated Students, Colorado School of Mines, held on January 14th, consisted mainly of updates from Board of Trustees representative Damien Illing regarding parking and admissions.

Regarding parking, Illing noted that the Hall of Justice gravel lot was open for business, though a new proposed parking garage would have to wait due to bonding issues. "The problem is that we could not fund the parking garage in addition to residence halls, the Brown addition, Marquez Hall, the Weaver additions and the new health center. We just couldn't fit in the bonds for the parking garage in addition to all those," he said.

"I know most of the students want a covered parking garage, and to that effect I gave a short speech at the last board meeting, just indicating the students' support for that," Illing continued. "There was a fairly warm reception to that, but at present we just can't do it." Comments regarding parking should be directed either at Illing or at the head of the Parking Committee and ASCSM Vice President Ashley Young.

Illing's other report regarded admissions and Mines's place in the academic sphere. "Applications for next fall are up by 37% already," he noted. "As of December 1st, 8,434 applications were received just for undergraduate. We are capping

new enrollment at 950 freshmen plus transfers, so the freshman class won't be as big as last year."

Illing went on to say that quality of Mines applicants, as well as their quantity, has increased. The average ACT and SAT scores for entrants are now 30 and 1310, respectively. On the graduate side, applications are up 26%. In comparison, MIT graduate applications have only increased 15% year-over-year.

The career picture for Mines continues to be rather rosy, according to Illing, with 66 business applicants to the spring Career Day as of late December. Including a predicted increase in registered attendees in January, "we're already two to two and a half times the number of employers at the CU and CSU career fairs," Illing

The average ACT and SAT scores for entrants are now 30 and 1310.

stated. "[S]o Mines is really the premier institution in Colorado." He also mentioned that 45% of recent Mines graduates searching for jobs were successful in their searches, compared to the national college graduate average of 20%.

At Large Institution Representative Alec Westerman followed Illing with announcements of the impending Diversity Week, and ASCSM's "Into the Streets" community service the week following.

The last matter of business was Jawad Sharif's removal from his position as At Large Community Representative for ASCSM due to a less than stellar attendance record for ASCSM and community meetings. Jeff Godwin, a geophysics graduate student, was chosen to replace Sharif in this capacity.

Have an opinion you want to share?

Is there a topic that you feel should be more widely covered?

Write for the Oredigger! Make your opinion known!

Submissions must be less than 1,000 words and submitted to oredig@mines.edu by Friday nights at 11 p.m.

Come to our weekly staff meetings at 5 p.m. on Mondays in the ballrooms for more information

Mines heats it up



WHO
ARE
THE
"M"-ULATORS?

The "M"-ulators is a level of membership in the CSM Alumni Association designed specifically for current students. This annual membership provides opportunities and benefits in connection with the Alumni Association.

For \$20, you can enjoy the following benefits:

- * Professional and personal development opportunities
- * Access to the alumni network on LinkedIn
- * Advance invitations to networking events with alumni such as the Professional Development Series, an Alumni Association-sponsored event featuring influential alumni.
- * Invitations to social events, i.e. Dinner for 12 (alumni-hosted), Holiday Party, sporting events.
- * Access to the CSMAA social networking website, www.minesonline.net
- * Early notice, information and reminders about alumni-based scholarships, such as Minesonline.net Scholarship program
- * Exclusive opportunities to enter drawings for a CSMAA book scholarship CSM Bookstore discounts (excluding textbooks and Apple products)
- * CSMAA Mentoring Program
- * "Blaster Pack" – Mines marbles, an "M"-ulator t-shirt, membership card and more!
- * BBQ Kick-Off & Welcome for "M"-ulators (Fall)
- * Tours to Mines-related places
- * Community service projects with alumni
- * Discounts to Java City, Einstein's, Juice Lab, Digger's Den Food Court and more!

Join the "M"-ulators and start building your future! Go to www.minesonline.net and click on Membership for more information, or you can call us at 303-273-3295 or email csmaa@mines.edu.

COLORADO SCHOOL OF MINES
ALUMNI ASSOCIATION

Katie Huckfeldt Staff Writer

Last week, Mines was the proud host of the second annual Geothermal Symposium. Here, the latest developments in global geothermics were presented by renowned, international guests. With over two hundred guests from four different countries and ten different states, the event marked the triumph of exploration of this untapped, renewable energy resource.

The night began with an introduction from CSM's own Masami Nakagawa, a professor in the Mining department. Nakagawa thanked his esteemed colleagues for their time and announced that research projects on geothermal energy had earned Mines its first meeting with the National Renewable Energy Resources Board.

Nakagawa then gave the podium to the first speaker, Siguður Magnús Garðarsson, the director of the Icelandic GEothermal Research Group (GEORG). Garðarsson spoke about Iceland's long history in geothermal energy development and its success. About 80% of Iceland's renewable energy is from geothermal power plants. Iceland's success with the energy resource stems largely from its location on the Atlantic Ridge, a hot-spot for geothermal activity. Garðarsson explained that GEORG is currently working on many projects to "understand the geothermal reservoir and how it behaves." The latest project GEORG is conducting involves drilling 4-5 km deep to temperatures between 450°C-600°C to obtain supercritical fluid with a higher energy density. This fluid could potentially provide large amounts of energy. Garðarsson concluded his presentation stating that there is amazing potential for geothermal power, but at the moment, "there are lots of things that need to be understood and worked on."

Next to the stage was Hideshi Kaieda, a Senior Research Geophysicist at the Center Research Institute of Electric Power Industry in Japan. Kaieda presented on his HDR project, a project aimed at proving the feasibility of geothermal power in Japan. Japan has multiple geothermal power plants already established. Kaieda explains that because of the country's numerous volcanoes, "Most systems in Japan are related to volcanic activities." But while these power plants have large potential, over 20 GW of power, there has been small development due to the lack of government funding and private ownership of the plants. Kaieda and his team have found a promising spot for a new geothermal plant located near a popular hot springs spa resort. With recent surveying for geopower from companies such as J-Power and MMC, geothermal energy may soon be a large source of renewable energy for Japan.

Following Kaieda, Professor Akira Ueda of Kyoto University presented his research on carbon sequestration. Ueda shared his potentially revolutionary findings. Through the injection of CO₂ and carbonation into a hydrothermal system, geothermic power can be generated with zero CO₂ emissions. Ueda stated that his team "has been working on the project for six years," and the tests have been generating good results. The process works by first drilling holes to reach the geothermal power, or the heat trapped below the Earth's surface. These wells are then injected with a carbonated fluid to trap the CO₂ and keep air emissions low or none. Ueda and his team continue their research and if successful, geothermal energy would not only be a vast renewable energy source, but virtually emission-free as well.

Traversing the globe, the next speaker, Martí Gutierrez, gave a geothermal view from the Philippines. Gutierrez stated, "The Philippines is the second largest

producer of geo-thermal energy in the world behind the US." With nine geothermal plants in operation, 19.1% of all power in the Philippines is due to geothermal energy. The success is due to the Philippines unique geological setting. The islands lie in a subduction zone between the Eurasian Plate and the Philippine Plate. Because of the plates, there is active faulting and volcanism. The other factors leading to the geothermal success are due to the government's involvement and protection of the national energy interest, and the country's pressure to reduce dependency on foreign oil and gas supplies. Gutierrez concluded by saying that an additional 19 geothermal plants are in the planning stage and the Philippines plan to soon surpass the US and become the largest producer of geothermal energy.

Ending the night, Tom Williams of the National Renewable Energy Laboratory presented his development of the ground source heat pump. Williams began saying, "This is commercial technology aimed at the shallowest of geothermal energy we have available." The pump can be installed both residentially and commercially and uses the ground temperature as a renewable heat resource in the winter and a heat sink in the summer. By powering homes and companies using these heat pumps, there are energy savings and reduced or zero CO₂ emissions. While the market for the heat pumps is growing, particularly in Europe, the overall market penetration is low. Williams states that with more costumer awareness and cost reduction the ground heat pump will provide renewable energy worldwide.

With the success of the geothermal research being conducted across the globe, it is apparent that this previously untapped renewable energy is coming to light, and geothermics will play a large part in the future of energy research.

Geek of the Week

...Tom Begley, Senior; Mechanical Engineering

Melinda Bartel
Staff Writer

Do you consider yourself a geek?

Sure. I like a lot of electronics and funky gadgets. And I think anyone who wants to be an engineer has to have some sort of geek gene.

What is the geekiest thing you own?

Definitely my full size sniper rifle that I made out of Legos. I don't really ever do anything with it. It just sits on my shelf. But I wanted to see if I could build it.

What is the geekiest thing you've ever done?

I build a recharger for my iPod from scratch. It was pretty sweet.

What is your favorite trivia fact?

A small child can crawl through the arteries of a blue whale. And elephant's knees bend the wrong way when they walk. At least I think that last one is true.

What are your hobbies?

Being active outdoors, like going hiking and biking. And being inactive indoors. I've recently been playing a lot of *Call of Duty*.

What clubs and activities are you a part of at Mines?

I'm the leader for InterVarsity Christian Fellowship. I'm also part of Tau Beta Pi and Blue Key.

What has been your favorite class at Mines?

I really liked EPICS II. I was in Space Epics and we designed a new lunar rover to use on the moon when we go back in the next decade. NASA paid for our project to travel to Florida for a national competition.

If you could have one super

power what would it be?

The ability to control the air temperature around me. So whenever I got out of the shower I could be immediately warm and dry. Also I could wear shorts in the winter, which would be awesome.

What technology could you not live without?

The Internet. Not very original, but it's the truth.

If you could meet any scientist, dead or alive, who would it be?

Probably Nikola Tesla. He did so many different cool things with electricity. Once he blacked out the entire front range. And he was a good inventor too.

What's your favorite book?

Timeline by Michael Crichton. It's very technology oriented and futuristic. And I like the incorporation of medieval times.

Who is your role model?

Tom Cruise because he has the same name as me and he's sexy.

What is your favorite geek joke?

Two atoms are sitting in a bar. One says, "Uh oh, I think I lost an electron." The other one says, "Are you sure?" And the first one replies, "Yeah, I'm positive!"

What has been your greatest life experience?

Last summer I biked from Golden to Washington, D.C. with a friend on a sort of spiritual journey. It was 1,800 miles total and it took us 45 days. We stayed at churches along the way, or with whoever would take us in. It was pretty incredible.

What do you love best about Mines?

The atmosphere of having a good time all the time.



MELINDA BARTEL / OREDIGGER



New notebook? Read this!

Ian Littman
Tech Break Columnist

Welcome to 2010, everyone. Hopefully you all had a great winter break. Speaking of which, if you got a computer for Christmas there are a few things that you should do to make sure you're getting the most out of it.

1. Upgrade it to Windows 7 Professional

If you got a PC, chances are it runs Windows 7 Home Premium. It's a decent operating system, but (unless you're in the Physics or Chemical Engineering departments) you can do better... for free. Swing by <http://inside.mines.edu/MSDNAA> and grab a key for Windows 7 Professional. Then right-click Computer in your Start menu, click Properties, and click the link near your Windows 7 version to upgrade. Input the key you got from MSDNAA when asked, then let Windows upgrade itself. A few minutes and a reboot later, you've got an operating system that's just a little more powerful.

Got a Mac? Grab a copy of the free Virtual-Box utility (<http://virtualbox.org>) to run Windows XP Professional on top of your primary operating system. You could also use Windows 7 in this capacity, but I wouldn't suggest it unless your computer has 4GB of memory and you are willing to split it down the middle between operating systems. On the other hand, if you want to dual-boot, use Windows 7. Apple's Boot

Camp Assistant will guide you through the process. In that case you have a choice between 32-bit (more compatibility) and 64-bit (more memory) versions of the operating system; if you have more than 3GB of RAM installed you won't be able to see it all unless you have the 64-bit Windows version installed. That said, I exclusively use 32-bit Windows 7 on my computers; your Windows 7 or Windows XP. However the operating system is available via TheUltimateSteal.com for \$65, a good deal if you're running OS X and need/want to run Windows for any reason. Keep in mind though that you only get one license key for Windows 7 when you buy it, so running the operating system both virtualized and

If you're a ChemE or a Physics major, you are unfortunately not eligible to get a free copy of Windows 7 or Windows XP. However the operating system is available via TheUltimateSteal.com for \$65, a good deal if you're running OS X and need/want to run Windows for any reason. Keep in mind though that you only get one license key for Windows 7 when you buy it, so running the operating system both virtualized and

Input the key you got from MSDNAA when asked, then let Windows upgrade itself. A few minutes and a reboot later, you've got an operating system that's just a little more powerful.

via Boot Camp is likely a no-go.

2. Get antivirus if you're running Windows OS X still doesn't have to worry about

malware quite yet, however if your computer uses a Microsoft operating system, an antivirus of some sort is pretty much imperative. Fortunately, there are a lot of free options out there. Just make sure to uninstall the security suite trial that likely came with your computer before loading up something else. Again, you don't have to pay for good antivirus unless you really, really want to.

Your first option is software that's free for everyone: Microsoft Security Essentials or AVG Free 9.0. The former can be found at <http://microsoft.com/security-essentials>. The quickest way to get the latter is through FileForum.com; just search for "avg. free." Both are capable applications, though Microsoft's product trades ease of use for memory footprint, at least at this point.

Option number two is available if you use Comcast for internet. The cable company switched vendors a few days ago and now includes a rebranded, seven-user version of Norton 360 with their internet service at no additional charge. Symantec, who makes Norton, seems to be the gold standard for antivirus software, and in the most recent version completely reverses the trend of antivirus software bloat exhibited

in years past. Put simply, if Comcast is how you get online, head over to <http://security.comcast.net> and grab a copy of Norton Security Suite for free. Unfortunately Qwest offers no comparable service.

Your third option is getting antivirus from Mines. This can be found by going to <http://ccit.mines.edu>, then Software, then Security. However last I checked the software was a few years old and is finicky to get running and to update. It also uses more RAM than the options above. But if you want the Symantec enterprise name, you've got it.

3. Get Office

Sure, this is optional, but TheUltimateSteal.com puts everywhere else to shame with regard to pricing on Office 2007. Office Ultimate, the highest edition of the software, is available for a cool \$59.95 via that avenue. Even the educational version of this suite is around \$250 elsewhere. Office 2007 Standard, which includes much less in the way of applications, is still about \$10 more (still academic price) than Ultimate purchased via TheUltimateSteal, which is direct from Microsoft and quite easy to use.

If you're not graduating this semester you might want to wait though; Office 2010 is just around the corner, with a beta available for download at <http://microsoft.com/office/2010> for free. The new suite will likely replace Office 2007 as The Ultimate Steal's offer once it is released.

4. Get a backup plan

Don't let your work vanish into the ether if your computer walks off, has an unfortunate encounter with the snowy ground, or if you overwrite an important file with a blank page. The nice thing is that online backup has become quick and easy over the past few years, and if you're just backing up a gigabyte or two it's free. The free backup provider of which I speak is Mozy; go to <http://mozy.com> to sign up. If you have more than 2GB or so of data that you want in the cloud, I personally use BackBlaze (<http://backblaze.com>) and like it. For-pay, unlimited-storage online backup services cost \$50-\$60 per year. If you don't trust the cloud, at least get an external hard disk or USB flash drive for your more important documents.

That's about it. As always, questions or comments can be posted to the online version of this article, or sent to my e-mail address, ilittman@mymail.mines.edu. Here's hoping this semester is good to everyone, whether you're using technology every waking moment or not. Also, if you're interested in the Apple scene, I'll be covering the company's announcement on the 27th here next week.

OS X still doesn't have to worry about malware quite yet, however if your computer uses a Microsoft operating system, an antivirus of some sort is pretty much imperative. Fortunately, there are a lot of free options out there.

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Dinner for 12



Dinner For 12 is a program that brings members of the Student Alumni Association ("M"-ulators) together with alumni for an evening of good food, fun conversation, friends and Mines alumni hospitality. In addition to a free dinner, the program offers "M"ulators an excellent opportunity to make new friends and to build a valuable network of alumni connections.

Join us! The first Dinner for 12 will be **February 24, 2010**.

Go to www.minesonline.net and click on Members, Student Alumni Association to sign-up. For more information call Elizabeth Garcia at 303-384-2143, elizabeth.garcia@is.mines.edu.

Women's basketball earns 11-5 record

Courtesy CSM athletics

The Colorado School of Mines women's basketball team was defeated by Chadron State in Rocky Mountain Athletic Conference (RMAC) action on Friday evening at Lockridge Arena by a score of 75-58.

The Orediggers led by as many as nine points early in the first half as Kelsey Crist drained a three pointer to make the score 14-5 with 15:21 on the clock. A seven-point lead at 24-17 with 6:54 remaining disappeared as CSC scored eight unanswered points to takes its first lead after Samantha Arkulari made a pair of free throws with 4:15 left in the first half. The Eagles outscored Mines 13-5 in the final 6:54 and took a one-point lead into the break.

Chadron State would lead the rest of the way increasing their lead to 10 points with 9:36 remaining in the game. CSM was able to cut its deficit to four points at the 8:08 mark but the Eagles answered pushing their lead to 11 points and were able to hold of Mines down

the stretch for the win.

CSC shot 79.4 % from the free throw line (27-for-34) as Arkulari shot 16 free throws alone. The Eagles also held a 45 to 37 on the boards. Three players finished the game in double figures for Chadron State (3-12, 3-5 RMAC) led by 25 points from the RMAC's leading scorer Kaitlin Petri. Petri added 12 rebounds, two assists and two blocks. Arkulari scored 19 points, 13 of which came from the free throw line, while Kelsey Scott contributed 10 points and four rebounds.

Brecca Gaffney recorded her third double-double of the season as she finished with 14 points and 11 rebounds. Kelsey Crist and Katie Carty each finished with nine points while Stephanie Fogle added eight points.

The Orediggers (10-5 overall, 5-3 RMAC) will host Nebraska-Kearney tomorrow evening, Saturday, Jan. 23rd at 6:00 pm at Lockridge Arena. On Monday, Jan. 25th CSM will play a non-conference game at Johnson & Wales (CO) at 6:00 pm.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER

Marvin is pumped for Friday night's women's basketball game against Chadron State.



Emily Dalton (#15) strips the ball from Chadron State.



Kelsey Crist (#33) deflects a Chadron State shot.

Brecca Gaffney (#42) drives the ball for a layup.



Men's basketball crushes Chadron State

Courtesy CSM athletics

Colorado School of Mines defeated Chadron State College by the score of 75-48 in Rocky Mountain Athletic Conference (RMAC) men's basketball action on Friday night, January 22nd, at Lockridge Arena.

Mines (7-9 overall, 4-4 RMAC) got a game-high 21 points from Dale Minschwaner, who went 5-of-9 from the floor and 11-of-15 from the free throw line while snaring six rebounds. Sean Armstrong scored 19 points, tied a season high with seven assists and tied a career high with five rebounds. Drew Hoffman registered 15 points and Gordon Galloway led the Orediggers with seven boards.

The Eagles' Trey Mosby finished with a team-high 12 points.

Moala Tautuaa (game-high eight boards) added 11 points as Chadron State fell to 5-10 overall (3-5 RMAC). CSC shot just 26.0 % (13-of-50) from the field as a team.

The Orediggers will host Nebraska - Kearney on Saturday night, January 23rd, at 8:00 p.m. at Lockridge Arena.

Mines will then play at Metro State (7:00 p.m. at the Auraria Events Center in Denver, Colo.) and Regis University (5:00 p.m. at the Regis Fieldhouse in Denver, Colo.) on Friday and Saturday, January 29th and 30th, respectively.

CSM will also play at Colorado Christian University on Tuesday, February 2nd, at 8:00 p.m. at the CCU Event Center in Lakewood, Colo.



Sean Armstrong (#5) uses all his body to to make a 2-point shot.



Dale Minschwaner (#23) reaches out to block a layup by Chadron State.

Dale Minschwaner (#23) wins the game opening tip-off.



Drew Hoffman (#32) makes a tough layup despite heavy Chadron State defense.

Heritage Square and the meaning of “open”

PHOTOS BY SARAH MCMURRAY / OREDIGGER



Sarah McMurray
Staff Writer

On the outskirts of Golden, on your way to Red Rocks, stands a big arch to a tiny theme park – Heritage Square. The giant arches provoke my curiosity and admiration. I had long wanted to see what gem was nestled away in the foothills behind the arch. I began my investigation on the internet.

Wikipedia notes it as “one of the world’s foremost and best-preserved examples of Storybook design.” This is an unusual form of architecture that was meant to bring the arts of stage and cinema to real life as well as one of the earliest known attempts to expand the idea of a theme park beyond Disneyland. Begun in 1957, it was originally called Mag-

ic Mountain. It was designed by the Hollywood art directors who worked on Disneyland, and was built by the original vice president of Disneyland, C.V. Woods Jr.

Bizarrely, the Heritage Square website mentions none of this interesting history or architecture. What they do advertise is a “one of a kind train,” a dinner theater in the melodrama style, and “Colorado’s best alpine slide.”

The website boasted that Heritage Square is open year round. A little wooden sign confirms the assertion that shops are indeed open. Don’t be deceived though. Heritage Square itself is most definitely closed during the week in the winter.

It was a snowy, windy day when I checked it out. Naturally, I expected the carnival rides to be

closed. It’s only safe. The cutting wind drove me to shelter in the first shop I saw. Unfortunately, it was also closed. As was the second and third, and almost every shop in this tiny storybook ghost village.

The only exception was the little western photo studio. And while I’ve been hankering after a western photo for a while, and the potential warmth of the studio was enticing, the prices were a little high for an otherwise dismal visit. Their best deal was a baby in a bucket shot for \$18.

Truth be told, I’m still fascinated by this weird little park. It seems to have just the right combination of carnival, obscure historic architecture, old-timey photos and big slides to be right up my alley. Just not in winter.



Discovering the ultimate liquid lunch

Kevin Lock
Staff Writer

In a winter, when all you can do is pray for some snow and hope that you do not trash your skis with every turn, there is only one logical reaction when you hear that part of the glorious state we live in has received more than 50 inches of snow in less than one week. That is do whatever it takes to make the pilgrimage (including a beer review at 5:30 AM). On any good ski pilgrimage one must be accompanied by an old friend, good beer.

With conditions so deep in the San Juan’s I could not help but to choose a beer that, although new to me, was almost a sure bet of being worthy of a 250 mile mission for snow. Ten Fidy Imperial Stout from Oskar Blues Brewing in Lyons, Colorado has 10.5% alcohol by volume (hence the name) and the lovely color of motor oil. Slated as a fully roasted winter Ale, it does not disappoint. This beer is heartier than a can of Stag Chili.

According to the Oskar Blues website, “This titanic, immensely viscous stout is loaded with inimitable flavors of chocolate-covered caramel and coffee and hide a hefty 98 IBUs underneath the smooth blanket of malt. Ten FIDY (10.5% ABV) is made with enormous



PHOTO KEVIN LOCK / OREDIGGER

amounts of two-row malt, chocolate malt, roasted barley, flaked oats, and hops. Ten FIDY is the ultimate celebration of dark malts and boundary-stretching beer.”

Ten Fidy is dominated by its malts and barley, but the boys over at Oskar Blues were able to find a perfect balance in the background flavors. It drinks very smoothly for the high alcohol percentage, which is masked by the caramel, chocolate, and coffee flavors. I sometimes find this style of beer to be too bitter for my tastes, but I believe that the slight kick provided by the higher alcohol content at the back end of the flavor is just enough to eliminate any ill-effects.

Ten Fidy is a phenomenal beer, which has won multiple awards, including a place in the “Top 100 Beers in the World” by ratebeer.com and it is “The Beer of the Year” according to the Denver Post. Due to all the hype, it can get to be a little pricey. I paid

just over three fidy a can, \$14 for a four pack, but with they high ABV it really works out to be less in my mind. As a poor college student, I need to make sure that my money goes to a good place and when I feel like I have found a true liquid lunch for less than four bucks (in a convenient, crushable can) I can’t help but to feel like I found something special.

Vampire Weekend’s *Contra* leaves listeners singing along

Tim Weilert
Content Manager

Vampire Weekend is one of those groups that has managed to jump from relative obscurity to national success seemingly overnight. Their debut, self-titled, record had appealed to the preppier side of the indie-music scene while utilizing African rhythms in a way that caused many to draw comparisons to Paul Simon’s classic album *Graceland*. When their sophomore effort *Contra* debuted at #1 on the Billboard charts a few weeks ago, more than a few heads began to turn.

As someone who thoroughly enjoyed their debut, I was a little dubious of the hype surrounding the new record. The tracks “Horchata” and “Cousins” surfaced several months in advance of the official release and I was worried that the group had sacrificed their warm, poppy sound for an over-produced record.

Upon repeated listening, *Contra* begins to grow on the listener. Rather than rejecting the slight change in sound-direction that Vampire Weekend has taken, I have begun to embrace it and actually find the new release quite enjoyable.

“California English” stands out as a song that showcases the



PHOTO COURTESY VAMPIRE WEEKEND

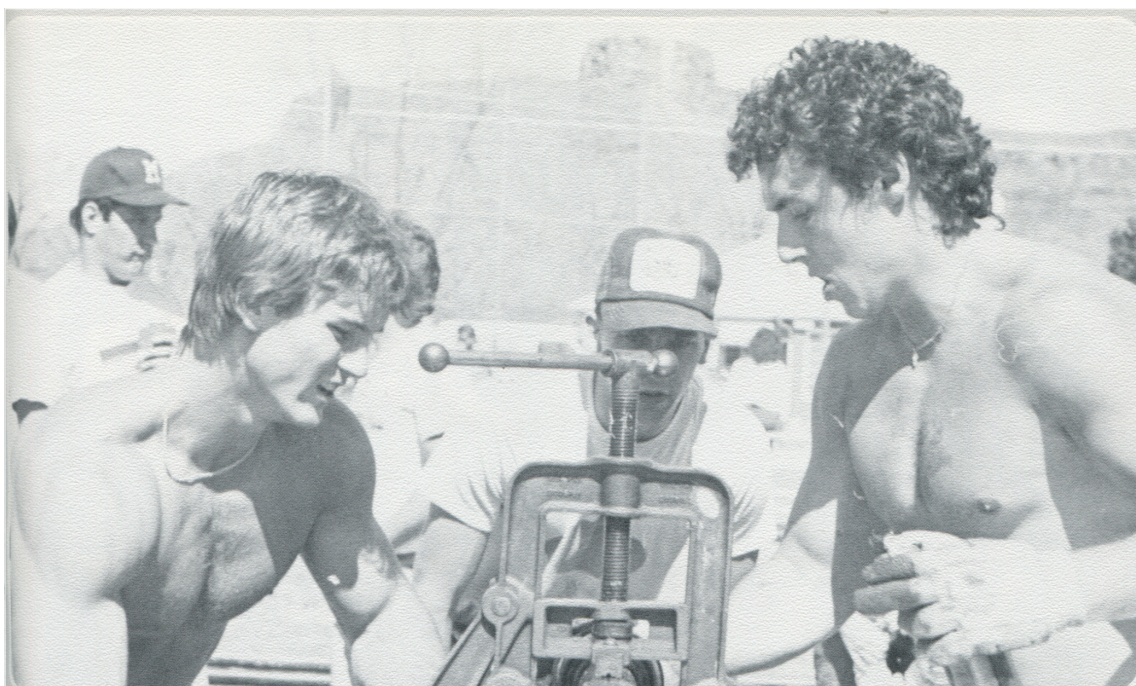
group’s new sound while hearkening back to their roots. Upbeat drumming and bright guitars back singer Ezra Koenig’s vocals (which may or may not have some tinges of auto-tune).

There are other gems on the record, including the dance-able “Run” and the frantic “Cousins.” As a whole, *Contra* is an entertaining listen, although some of the later songs all run together, this caused

me to zone out a bit while listening.

When compared to the other records that are currently on the top of the Billboard charts, *Contra* is a refreshing chart-topper. Vampire Weekend has managed to create a record that has broad appeal while still falling largely under the “indie” subgenre. While it might not suite the most elitist music snobs, it certainly has the rest of us singing along.

We have been uploading archived yearbooks online. Below is an excerpt from the E-Days spread of the 1985 yearbook.



To see more yearbooks, go to oredig.us/1.



Minds at Mines

Diverse Minds Consider Diversity Week

Roby Brost
Staff Writer

Monday was a national holiday, a time to remember and celebrate the work of many, reflected in the work of a remarkable man; Dr. Martin Luther King Jr.. Throughout the week, numerous diversity lectures and activities occurred, and the campus population appeared to take notice. Even amongst college campuses, Mines finds itself in a fortuitous position - the majority of the campus community studies similar topics like science, engineering, and math. Although not all students pursue each of these areas of study to the same extent, there is common ground upon which communication is made easier. No matter race, religion, creed, sexual orientation, or gender, a common factor is the pursuit of similar education. Another advantage lies in the distinct probability that every student has endured quantitative analysis... So with all the unity and similarities, why is Diversity week such a big deal? This week, Minds at Mines asked; why is diversity week such an important event?

"I think that Diversity Week is important everywhere, not just for a week at Mines. I'm from inner-city Denver, and although I have met international students, diversity amongst the students here is pretty scarce. We [at Mines] get so wrapped up in the science and math of things sometimes that we forget that things can be ubiquitous and different. That the things we see here are not the only things that are out there. Diversity Week helps to remember that."

Mas Cabell-Kluh



"Diversity Week is important for several reasons. One is that it is important to bring to people's attention the diversity that already exists on campus... even if the types of diversity are not always visible to members of the campus. Even if you don't have tremendous racial diversity, you may have religious diversity, you may have political diversity, diversity of sexual orientation, things like that, that people may not necessarily realize impact people's perspectives. Also, at a place like Mines or DU, where we don't have as much diversity as we ought to, relative to the city, it is a good way to bring attention to the need for more diversity on campus and what that requires, like better financial aid packages or more aggressive recruiting. Of course, Diversity Week also helps student define what diversity is, and why you might want it in Democracy, or a university."

Nancy D. Wadsworth

"Diversity Week is important because we have an international student body that is diverse and multicultural. Diversity is just different cultures. It's not any ethnic backgrounds. It's not any geological markers. It's not any genetic markers. It is the way that people have been raised and the environment that they live in. As you move out, once you have a degree, you will be working and functioning in a global market, which is one more reason that diversity is so important on campus."

Matthew Shaw



"Our campus has such a diverse population that it is important to understand other cultures and maybe find ways to interact with people from different culture groups. Especially here in America, international students spend a lot of time trying to understand what we do, and perhaps not enough time is spent reciprocating, [teaching] what they do."

Cliff Brazil

"I think diversity week is very important to celebrate the diversity we have here at Mines, especially in the petroleum department. We have a lot of nationalities, a lot of people who are from all over, in both the graduate and undergraduate program. I am not from the United States, and I think that it is amazing how diverse the population is here."

Sarah Yahya



ALL PHOTOS ROBY BROST / OREDIGGER

Obsessions ending in cle

Barbara Anderson
Design Editor

If you have ever found yourself seeking a diversion from your responsibilities that not only effectively captivates your attention, but also proves as a fascinating and educational time-waster, then Sporcle.com is a website for you. While experiencing that glorious few weeks at the start each semester where there is little work required and subsequently, little stress produced, I found myself a frequent visitor of this website.

This site provides a "mentally stimulating diversion" for sporclers across the globe. This is done by offering thousands of riveting quizzes, both Sporcle and user created, to test your knowledge in 15 different categories including language, entertainment and science. I can assure you, it's quite a hoot.

It started innocently enough. What's a short "Author by antagonist" before bed or a little "Famous foursomes" after class? I knew when to play, and I knew

when to stop.

Then it got worse.

First thing in the morning, I was listing surnames of characters from *The Office*. I'd spend my free time taking and retaking geography quizzes. Canadian provinces? Yes please. O-less states? Don't mind if I do.

I found myself desperate for more trivial knowledge. Who is the fourth Marx brother? What was the most populous Wisconsin city in 1910? I felt I had something to prove. Hey world, check out how many double double letter words I can name in 8 minutes!

It took over my life. My thirst for both useful and useless facts became shameful. I was embarrassed (and rightfully so) that I spent so much time on one single site. It replaced MyEconLab on my top sites. Even *Safari* was judging me.

Then I hit a new low. I made it a group activity; I took others down with me. If you were wondering where I was last Saturday night, or even the Saturday before that, you might have checked a room

in Bradford basement, where myself, and 12 of my comrades, crowded around a 15-inch laptop, wasting hours of our youth naming Pixar movies and identifying flags of the world. I spread Sporcle like the plague.

I can't say I was surprised with my obsession. My computer and I went through the same ordeal when my Facebook account was created, when I discovered stumbleupon.com, and those shameful weeks that I couldn't get through the day without knowing about the "average" lives of others. I'll get through this, just as I got through the others.

As the workload of the semester slowly increases, I am getting better. I am gaining self-control when faced with the appealing challenge of the succession of first ladies. It, like anything, is a learning process.

So for those of you who I addressed at the start, enjoy Sporcle, but be cautious. It is a slippery slope.

Now, if you excuse me, I must go identify sitcom families.

Tim's two cents

A new year's resolution

Tim Weilert
Content Manager

In my younger years, I was a member of a club. This was not a group that prided itself on exclusivity, rather it sought to build community and give back. I am, of course, talking about the Boy Scouts of America. Many of your fellow students at Mines were a part of scouts (either through the BSA or Girl Scouts), and now find ways to give back through clubs and events such as "Into The Streets."

All of this nostalgia had me thinking about what a good New Year's resolution could be. The Scout Slogan comes to mind as

a valuable starting place. "Do a good turn daily." No matter your background or creed, a "good turn" is an easy place to start bettering your life and those you affect.

The best part of this resolution is that it is simple and easily measurable. With any resolution these are important factors. By avoiding ambiguity (e.g. "get into better shape") and defining exactly what you want to accomplish (e.g. "lose 10 pounds"), you will feel more accomplished and less regretful.

For my challenge, just stop and think, "Have I done good or helped anyone today?" Not every "good turn" needs to be in-

involved, but can be as simple as donating to relief efforts in Haiti (read Kurtis Griess's call for book donations in this week's issue), helping mentor a fellow student, picking up a piece of garbage, or any number of other simple activities.

I'll end this article by quoting Dr. Martin Luther King Jr. "Everybody can be great, because anybody can serve. You don't have to have a college degree to serve. You don't have to make your subject and your verb agree to serve... You don't have to know the second theory of thermodynamics in physics to serve. You only need a heart full of grace. A soul generated by love."

Collecting books to save lives

Kurtis Griess
Guest Columnist

Since I started at Mines, three major natural disaster catastrophes have occurred - the 2004 Indian Ocean Tsunami, Hurricane Katrina, and the recent earthquake in Haiti. My heart goes out to the victims of these tragedies and I want to help, but I am a poor college student. I cannot go help the people personally and unfortunately, I do not have much money to give.

Well, maybe I have more than I first thought...

I have money sitting on my bookshelf, unused and depreciating with each new semester. Only, it is not cash, or I would have spent it already. It is my used textbooks. Some are books I thought I would need down the road for reference, some are books the

bookstore would not buy back, and some I wanted to keep so my library will look fancy after I graduate.

Now, of course, I realize I do not need that calculus book because I can find everything on Wikipedia. It was worth hundreds of dollars years ago and now I can only sell it on Amazon for pennies. I wish I could turn back the clock and give the money to someone whose life was at stake.

Seeing that many of us take out loans to be in school, it is difficult to justify any "unnecessary" expenses, but if we have textbooks lying around we can start making a difference in the world before we graduate by putting them to further use.

This semester, I started a program to collect textbooks and sell them on Amazon to give the proceeds to a good cause. Then

Haiti crashed onto the scene. So far, I have collected books from friends at Regis University, which in a week earned over \$800 for Haiti (and rising daily). A committee including myself, Derek Morgan, and others will confer to best allocate the funds raised from collected textbooks at Mines to help those affected by the tragedy in Haiti.

Students and faculty at the Colorado School of Mines, I urge you to consider your true needs at this time. Do you have books to spare that might be worth donating to help our suffering brothers and sisters? If not, bless you for trying. If so, you may **drop off donated books to the Student Activities Office in the Student Center** on any weekday.

Expect more details from the Haiti book fundraiser committee soon.

Fool's Gold

"School's out for the summer."

Dishonor Code Demanded

THE RUMOR MILL

Campus rumors debunked

Mike Stone
Content Manager

Janeen Neri
Helicopter Parent

The Parents of inDependent Students Society (PDSS) is hoping that Mines students will ring in the new semester with a new option: the dishonor code. "Not only is [the current system] discriminatory against the dishonorable student," said PDSS member and Mines mother, Jean Ray, "but it's just plain unsymmetrical. Why is there an honor code, but no opposite?"

The society has been calling for a dishonor code since the honor code was introduced in 2003. "The code wrongly assumes that all students are honorable," said Ray, "and in fact, even aspire to *be* honorable. But this ignores the fact that you cannot have one without the other. My little boy, for example, has gotten straight-A's since preschool, so he is obviously a genius. But once he entered Mines, those mean old professors ganged up on him and said he was breaking the honor code! When he told me about this infringement on his right to a diploma, I did some research and discovered that even things like copying off someone else's test are considered 'breaking the honor code'! Why, everyone knows that using other people's work as your own is the fastest way to get ahead in business – I'm

outraged that Mines, a supposed career-oriented school, is punishing students for doing this!"

The parents of PDSS propose that entering students at least be given the option of signing a dishonor code. To make the process easier for the student body to adopt, they have drafted a potential dishonor code that reads as follows:

"Mines students believe it is our responsibility to promote and maintain high levels of grade inflation in order to ensure that we get the high grades we deserve without overworking ourselves. Each of us, under this Code, shall assume that the professor is wrong in all disputes involving grades, and do our best to smear him as a tyrant when speaking with all future students.

"As a Mines student, I obviously got good grades before coming here. Therefore, anything less than an 'A' in every class is a reflection on how poorly classes are taught here, and an indication of how little the faculty cares for the mental and emotional health of their students. Armed with this knowledge, I will act with confidence, self-esteem, and above all with any dirty tactics necessary to get the grade I want. I will not misrepresent the work of others as my own unless doing so would improve my grade, nor will I

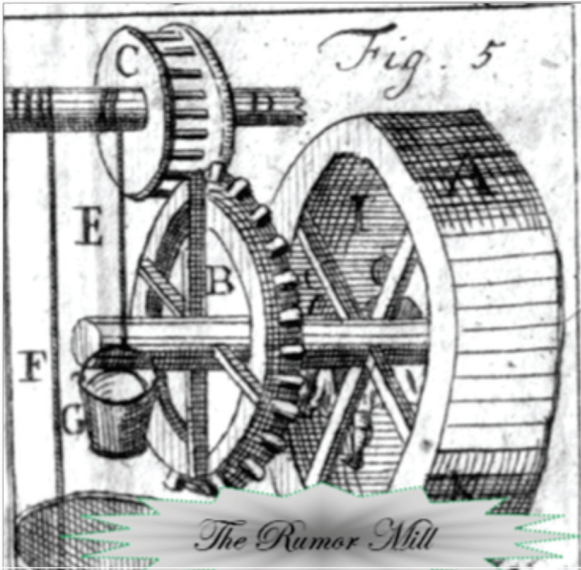
give anyone else any assistance in coursework unless they pay me. I will do my best to hog school facilities and resources to play games, watch anime, and chat with my mommy, because nothing is more important than family. By practicing these principles, I will strive to advance myself above all others and before the public good, because who cares if the world goes to pot after I die? I will not participate in or tolerate any form of discrimination or mistreatment of another individual."

Given the proposed Code's unflattering portrayal of faculty, it is not surprising that most professors interviewed were strongly opposed to it. Said one individual, who declined to be named for fear of reprisals, "These students and their helicopter parents need to get a life! I'm deeply sorry that your childhood was so coddled that you can't stand the real world when you get to it, but you know what? I am not about to continue the abuse. If you take my class, you can expect to be graded fairly and accurately, with grades based on performance and not on how much you cry."

"The critics speak for themselves," said Ray, of the backlash, "and let me ask you another question. Do you know your father was a fish?"

Rumor: Dominoes new recipe tastes better and bolder.
Status: Confirmed
Description: An ounce of baby seal tears are added to every pizza dough batch.

Rumor: President Obama's dog will be touring the country's "old folks" homes.
Status: Busted
Description: The Death Panels will be filling in for her.



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Fool's Gold Top Ten

7 3 9 1 8 4 2 6 5 10

Top ten plans for Super Bowl Parties

Mike Stone
Content Manager

10) All lingerie
9) Chip and Dip Party on top of Lookout Mountain
8) Using Google Earth to watch the stadium
7) Renting a TV from Rent-A-Center. What?
6) Pants Party
5) Use Bill Nye's Homemade TV recipe
4) All Bean dip, no potty breaks
3) One shot for every first down
2) Power your TV set using an electric bicycle
1) Watch CSI instead

o — solution — o

8	2	4	9	7	3	6	1	5
9	7	3	6	1	5	2	4	8
1	5	6	2	4	8	9	7	3
6	3	5	1	9	7	8	2	4
4	8	1	5	6	2	3	9	7
2	9	7	8	3	4	5	6	1
5	1	8	4	2	6	7	3	9
3	6	9	7	5	1	4	8	2
7	4	2	3	8	9	1	5	6



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

CSM CLUB AND INTRAMURAL SPORTS

FLOOR HOCKEY *all sports trophy*

Deadline: Thurs 1/28 @5pm
Captain's Meeting: Fri 1/29 @3pm McNeil Room

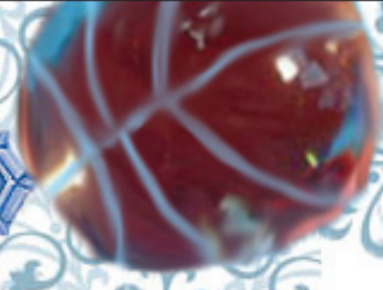
FOOSBALL

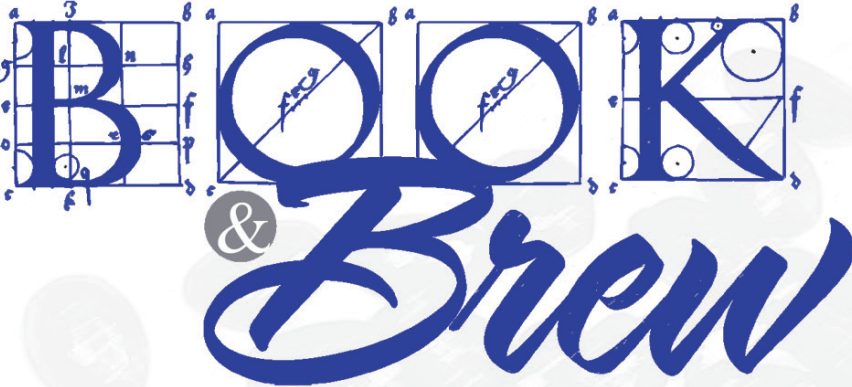
Deadline: Thurs 1/28 @5pm

RACQUETBALL DOUBLES

Deadline: Thurs 2/4 @5pm

More information available at:
<http://recsports.mines.edu>



at Arthur Lakes Library



...Get Your Coffee On

- Hormone-free Milk
- Do you work on Campus on Saturdays? You can now get your AFPP (afternoon face plant prevention) at the Book & Brew
- PROUDLY SERVING ALLEGRO COFFEE & TEA
- ORGANIC ESPRESSO DRINKS